Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN [redacted]LICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-53386

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME: --

8. FARM OR LEASE NAME: Celsius Federal

2. NAME OF OPERATOR: Celsius Energy Company

RECEIVED
OCT 10 1984
DIVISION OF OIL
GAS & MINING

9. WELL NO.: 25-1

3. ADDRESS OF OPERATOR: P. O. Box 458, Rock Springs, WY 82902

10. FIELD AND POOL, OR WILDCAT: ~~Wildcat~~ Undesignated

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface: NW NE, 1091' FNL, 2365' FEL
At proposed prod. zone

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 25-3N-24E, SLB&M

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Apprx. 60 miles south of Rock Springs, Wyoming

12. COUNTY OR PARISH: Daggett | 13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	275'	16. NO. OF ACRES IN LEASE: 160	17. NO. OF ACRES ASSIGNED TO THIS WELL: N/A
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	N/A	19. PROPOSED DEPTH: 6775' MRSN	20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6991' (as graded)

22. APPROX. DATE WORK WILL START*: *Immediately upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	9-5/8	36	300'	180 Sx Regular
7-7/8	4-1/2	11.6	6775'	To be determined

Refer to attached drilling plan.

Mountain Fuel and subsidiaries, Wexpro Company and Celsius Energy Company, are the lease holders within 660 feet of this well.

Access road right-of-way needed: applied for via SF-299 (filed separately).

*This well must be completed by December 1, 1984.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED C. J. Mauer TITLE Drilling Superintendent DATE October 2, 1984

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

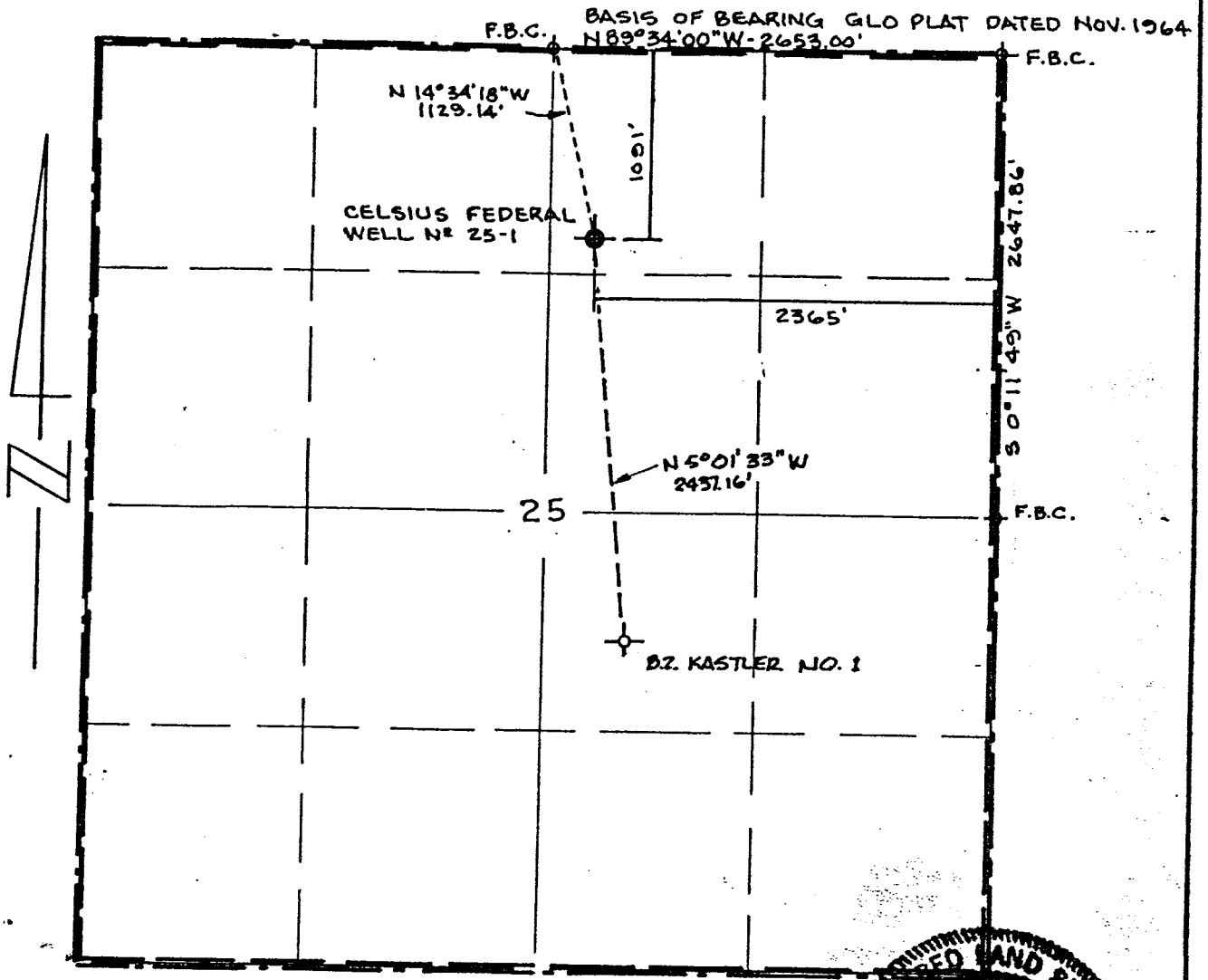
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 10/23/84
BY: John R. Baza

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T. 3 N., R. 24 E., S.L.B. & M., DAGGETT COUNTY, UTAH



LOCATION PLAN
SCALE 1" = 1000'

0 500' 1000' 2000'

LEGEND

- SURFACE OWNER BOUNDARY
- MINERAL LEASE BOUNDARY
- ℄ WELL LOCATION
- FD. BRASS CAP
- FD. STONE

NOTE: FOR SURFACE INFORMATION (ROADS, TOPO, DRAINAGE, ETC.) SEE AREA MAP.

REGISTERED LAND SURVEYOR No. 6389 LARRY G. BODYFELT STATE OF UTAH

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

Larry G. Bodyfelt 8/22/84

LARRY G. BODYFELT, UTAH REG. L.S. Nº 6389

ENGINEERING RECORD			
SURVEYED: F.H. 8-10-84	FIELD: CLAY BASIN		
BASIS OF BEARING: GLO PLAT DATED NOV. 1964			
SURFACE OWNER: U.S. GOVERNMENT			
MINERAL LEASE: U-53386			
LOCATION: NW 1/4, NE 1/4, SEC. 25, T. 3N., R. 24 E., S.L.B. & M. 2365' FEL, 1091' FNL			
COUNTY: DAGGETT	STATE: UTAH		
ELEVATION AS GRADED: 6991 "AS GRADED" ELEV. BY ELEC. VERT. ANGLE. ELEV. FROM COMPANY B.M.		DRAWN: 8-15-84 CRW	SCALE: 1" = 1000'
		CHECKED:	DRWG. NO. M-22582
		APPROVED:	

CERTIFIED
WELL LOCATION PLAT
FOR
CELSIUS FEDERAL WELL Nº 25-1

Drilling Plan
Celsius Energy Company
Celsius Federal Well No. 25-1
Daggett County, Utah

1 & 2. SURFACE FORMATION, ESTIMATED TOPS AND WATER, OIL, GAS OR MINERAL BEARING FORMATIONS:

Mesaverde	-	Surface
Mancos	-	223'
Frontier	-	6175', gas
Mowry	-	6385'
Dakota	-	6565'
Morrison	-	6700'

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. PRESSURE CONTROL EQUIPMENT: (See attached diagram) Operator's minimum specifications for pressure control equipment requires an 11-inch 3000 psi double gate hydraulically operated blowout preventer and an 11-inch 3000 psi annular preventer. Surface casing and all preventer rams will be pressure tested to 1000 psi for 15 minutes using rig pump and mud. NOTE: The surface casing will be pressure tested to a minimum of 1000 psi; or one psi per foot; or 70 percent of the internal yield of the casing, whichever is applicable. BOP's will be checked daily as to mechanical operating condition and will be tested by rig equipment after each string of casing is run. All ram type preventers will have hand wheels which will be operative at the time the preventers are installed.

BOP systems will be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office will be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

4. CASING PROGRAM:

Footage	Size	Grade	Wt.	Condition	Thread	Cement
300	9-5/8	K-55	36	New	8 rd ST&C	180 sx Regular w/3% CaCl and 1/4# flocele/sx.
6775	4-1/2	N-80	11.6	New	8 rd LT&C	Tops will be determined from logs; information will be submitted via Sundry Notice.

AUXILIARY EQUIPMENT:

a) Manually operated kelly cock
b) No floats at bit
c) Monitoring of mud system will be visual
d) Full opening floor valve manually operated

Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office will be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

5. MUD PROGRAM: Gel chemical water base mud from surface to total depth.

Sufficient mud materials to maintain mud properties, control lost circulation and to contain blowout will be available at the wellsite.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

6. LOGGING: DIL-SFL-GR - surface casing to total depth
BHC-Sonic-GR w/Caliper - surface casing to total depth
Dipmeter - surface casing to total depth
CNL-FDC-GR w/Caliper - 6000 feet to total depth

TESTING: 2 DST's in Frontier at 6175 feet (Upper and Lower Benches).

CORING: None.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

7. ABNORMAL PRESSURE AND TEMPERATURE: BHT of 127°F expected. No abnormal pressures anticipated.

8. ANTICIPATED STARTING DATE: Immediately upon approval.

DURATION OF OPERATION: 17 days drilling.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notifications given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Vernal BLM District Office, 170 South 500 East, Vernal, UT 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

If the well is successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of permanent disposal method, along with the required water analysis and other information, will be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of

gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

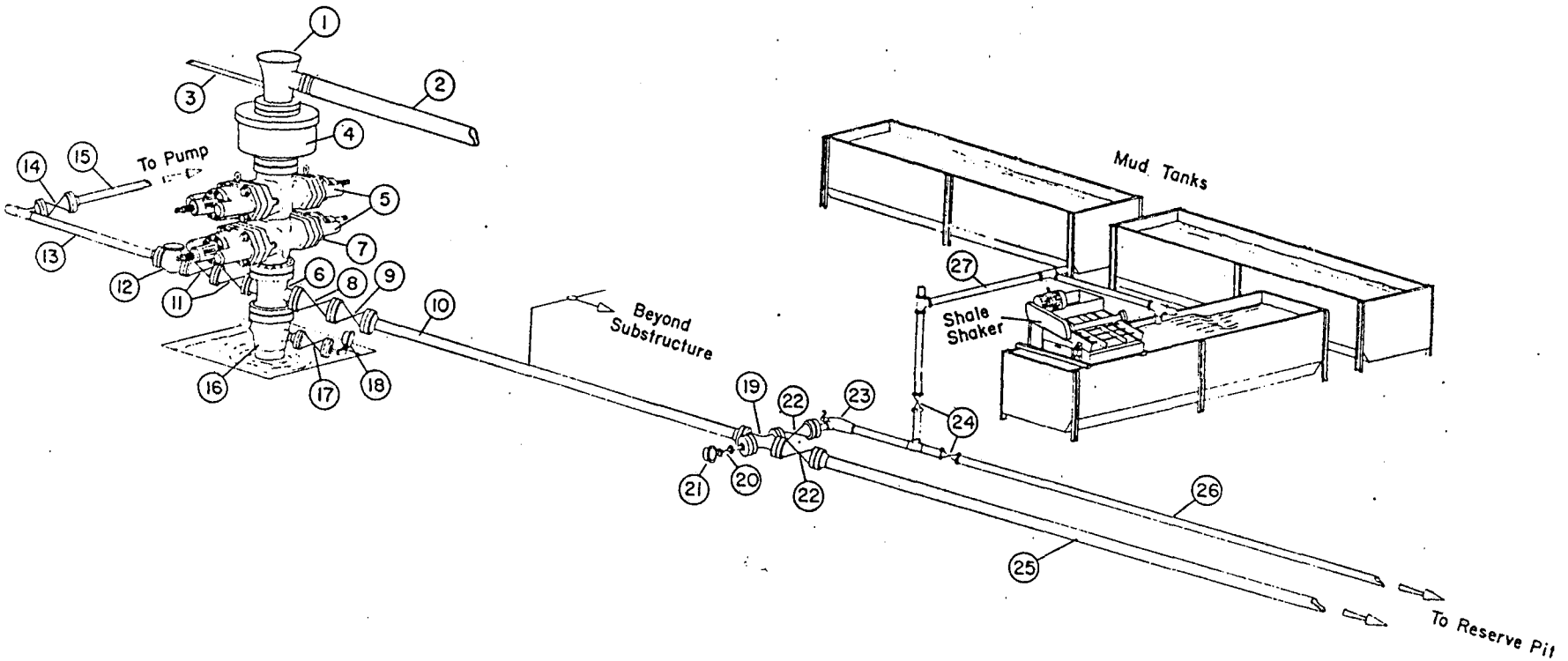
A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled or dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of the surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

CELSIUS/WEXPRO
3000 psi BLOWOUT PREVENTION EQUIPMENT



STANDARD STACK REQUIREMENTS

Nº	ITEM	NOMINAL	ID	TYPE	FURNISHED BY	
					OPER.	CONTR.
1	Drilling Nipple (Rotating Head when air drilling)					
2	Flowline					
3	Fill up Line (eliminated for air drilling)	2"				
4	Annular Preventer			Hydril Cameron Shaffer		
5	Two Single or One dual Hydril oper rams.			U.ORC; F.LWS; R.E		
6	Drilling spool with 3" and 2" outlets			Forged		
7	As Alternate to (6) Run & Kill and Choke lines from outlets in this ram					
8	Gate Valve		3-1/8			
9	Valve-hydraulically operated (Gate)		3-1/8			
10	Choke Line	3"				
11	Gate Valves		2-1/16			
12	Check Valve		2-1/16			
13	Kill Line	2"				
14	Gate Valve		2-1/16			
15	Kill Line to Pumps	2"				
16	Casing Head					
17	Valve Gate ____ Plug ____		1-13/16			
18	Compound Pressure Cage					
	Wear Bushing					

STANDARD CHOKE AND KILL REQUIREMENTS

Nº	ITEM	NOMINAL	ID	TYPE	FURNISHED BY	
					OPER.	CONTR.
19	Cross 3" X 3" 3" X 2"					
20	Gate Valve		1-13/16			
21	Compound Pressure Gage					
22	Gate Valves		3-1/8			
23	Choke Cam H-2 or equilivent	3"	2"			
24	Gate Valves		3-1/8"			
25	Line	3"				
26	Line	3"				
27	Line	3"				

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-53386

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME: --

8. FARM OR LEASE NAME: Celsius Federal

2. NAME OF OPERATOR: Celsius Energy Company

9. WELL NO.: 25-1

3. ADDRESS OF OPERATOR: P. O. Box 458, Rock Springs, WY 82902

10. FIELD AND POOL, OR WILDCAT: Wildcat

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: NW NE, 1091' FNL, 2365' FEL
At proposed prod. zone

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 25-3N-24E, SLB&M

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Apprx. 60 miles south of Rock Springs, Wyoming

12. COUNTY OR PARISH: Daggett

13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
275'	160	N/A
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
N/A	6775'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6991' (as graded)

22. APPROX. DATE WORK WILL START*: *Immediately upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	9-5/8	36	300'	180 Sx Regular
7-7/8	4-1/2	11.6	6775'	To be [illegible]

ANTICIPATED BHP ± 2540 PSI

RAM 10-16-84

RECEIVED
OCT 25 1984
DIVISION OF OIL GAS & MINING

Refer to attached drilling plan.

Mountain Fuel and subsidiaries, Wexpro Company and Celsius Energy Company, are the lease holders within 660 feet of this well.

Access road right-of-way needed: applied for via SF-299 (filed separately).

*This well must be completed by December 1, 1984.

RECEIVED
OCT 1984

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED C. J. Mauer TITLE Drilling Superintendent DATE October 2, 1984

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Floyd K Stevenson TITLE DISTRICT MANAGER DATE 10/23/84

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

Div. O G & M

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UT-080-4-M-301

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Celsius Energy Co. Well No. 25-1

Location Sec. 25 T3N R24E Lease No. BIA 14-20-H62-3537

Onsite Inspection Date 09-24-84

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

1. Pressure Control Equipment

Prior to drilling out the surface casing shoe, the ram-type preventers shall be tested to 2,000 psi and the annular-type preventer shall be tested to 1,500 psi.

Choke manifold system will be consistent with API RP 53.

2. Casing Program:

The cement top will be at least 200 feet above the Dakota Formation. The Dakota Formation will not be perforated and tested as a producing formation due to the proximity of the Gas Storage area.

3. Coring, Logging and Testing Program:

Daily drilling and completion reports shall be submitted to this office on a weekly basis.

4. Abnormal conditions, Bottom Hole Pressures and Potential Hazards:

Due to the surface location, a directional survey is required to determine the bottom hole location. This information will be submitted to the District Engineer as soon as possible.

B. THIRTEEN POINT SURFACE USE PLAN

The new access road description has been incorporated into a road right-of-way. See ROW application and BLM's land report for access to Celsius Energy Well No. 25-1.

1. Location of Tank Batteries and Production Facilities

Tank batteries will be determined later and submitted on a Sundry Notice.

The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location.

2. Methods of Handling Waste Disposal

The reserve pit may or may not be lined. If the operator encounters a rock layer, no liner is needed - if still in sand, a bentonite liner is required.

OPERATOR Celsius Energy Co. DATE 10-12-84

WELL NAME Celsius Fed. #25-1

SEC NW NE 25 T 3N R 24E COUNTY Daggett

43-009-30059	Fed
API NUMBER	TYPE OF LEASE

POSTING CHECK OFF:

☐ INDEX	☐ HL	☐
☐ NID	☐ PI	☐
☐ MAP	☐	☐

PROCESSING COMMENTS:

Exc. loc. requested

Needs Water

(Well is same section as Clay Basin Unit well)

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT ☐ c-3-a _____ CAUSE NO. & DATE

☐ c-3-b ☑ c-3-c

SPECIAL LANGUAGE:

! Water

Jay Neese (Celsius S.L.C.) 530-2735

- [x] RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.
- [x] AUTHENTICATE LEASE AND OPERATOR INFORMATION
- [x] VERIFY ADEQUATE AND PROPER BONDING
- [x] AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.
- [ ] APPLY SPACING CONSIDERATION
  - [ ] ORDER _____
  - [ ] UNIT _____
  - [ ] c-3-b
  - [x] c-3-c
- [x] CHECK DISTANCE TO NEAREST WELL.
- [ ] CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.
- [x] IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER
- [x] IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

WEXPRO COMPANY

79 SOUTH STATE STREET • P.O. BOX 11070 • SALT LAKE CITY, UTAH 84147 • PHONE (801) 530-2600

October 22, 1984

State of Utah
Oil and Gas Commission
4241 State Office Building
Salt Lake City, UT 84114

Attn: John Baza

Re: Request for Exception Well Location
By Celsius Energy Company
Celsius Federal No. 25-1 Well
T-3-N, R-24-E, SLM
Sec 25: 1091' FNL and 2365' FEL
Daggett County, Utah

Gentlemen:

Please be advised that Wexpro Company, as Operator of the Clay Basin Unit, has no objections to Celsius Energy Company's proposed location for its Celsius Federal No. 25-1 Well, located in the NW¼NE¼ of Section 25, Township 3 North, Range 24 East, SLM.

If any further information is required from Wexpro Company concerning Celsius Energy Company's Application for Permit to Drill the referenced well, please feel free to call.

Sincerely,

E. A. Farmer, Jr.
Director, Units and Joint Operations

EAF/JBN/smw

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 23, 1984

Celsius Energy Company
P. O. Box 458
Rock Springs, Wyoming 82902

Gentlemen:

Re: Well No. Celsius Federal #25-1 - NW NE Sec. 25, T. 3N, R. 24E
1091' FNL, 2365' FEL - Daggett County, Utah

Approval to drill the above referenced gas well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.

2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.

3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.

4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-009-30059.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals

w/ok

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION API #43-009-30059

NAME OF COMPANY: CELSIUS

WELL NAME: Celsius Federal 25-1

SECTION NW NE 25 TOWNSHIP 3N RANGE 24E COUNTY Daggett

DRILLING CONTRACTOR Shelby Drilling

RIG # 11

SPUDDED: DATE 11-7-84

TIME 8:00 AM

HOW Rotary

DRILLING WILL COMMENCE

REPORTED BY Cathy

TELEPHONE # 307-382-9791

DATE 11-8-84 SIGNED AS

Form 3160-5
November 1983)
Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

2

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

5. LEASE DESIGNATION AND SERIAL NO.: U-53386

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --

7. UNIT AGREEMENT NAME: --

2. NAME OF OPERATOR: Celsius Energy Company

8. FARM OR LEASE NAME: Celsius Federal

3. ADDRESS OF OPERATOR: P. O. Box 458, Rock Springs, WY 82902

9. WELL NO.: 25-1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NW NE, 1091' FNL, 2365' FEL

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 25-3N-24E, SLB&M

14. PERMIT NO.: 43-009-30059

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6991' as graded

12. COUNTY OR PARISH: Daggett

13. STATE: Utah

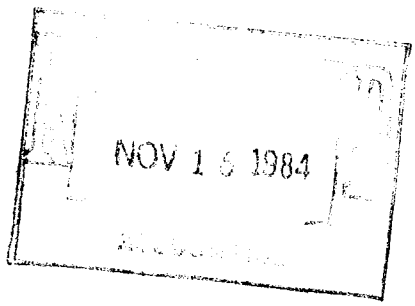
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Supplemental History			☒
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spudded well on 11-7-84 at 8:00 A.M.

Depth 3681', drilling.



18. I hereby certify that the foregoing is true and correct

SIGNED Lee Martin TITLE Asst. Drilling Supt. DATE 11-12-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5
November 1983)
Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.: U-53386

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

RECEIVED
NOV 30 1984
DIVISION OF OIL, GAS & MINING

7. UNIT AGREEMENT NAME: --

2. NAME OF OPERATOR: Celsius Energy Company

8. FARM OR LEASE NAME: Celsius Federal

3. ADDRESS OF OPERATOR: P.O. Box 458, Rock Springs, WY 82902

9. WELL NO.: 25-1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NW NE, 1091' FNL, 2365' FEL

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 25-3N-24E, SLB&M

14. PERMIT NO.: 43-009-30059

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6991' as graded KB 7006.95'

12. COUNTY OR PARISH: Daggett

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Supplemental History			XX
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Total Depth of 6730' reached 11-20-84, rig released 5:00 A.M. 11-22-84, waiting on completion tools.

Landed 9-5/8-inch O.D., 36-pound, K-55, 8 round thread, ST&C casing at 329.15 feet KBM or 15.95 feet below KB in a NSCo. 11-inch 3000 psi threaded casing flange, cemented with 180 sacks Class G treated with 3% CaCl and 1/4-pound flocele per sack, did not run float collar, twenty feet of cement was left in pipe, circulated 20 sacks of cement to the pit, cement level in the hole remained at surface, cement in place at 7:00 A.M. 11-8-84.

DST #1: TD 6176', Packers 6103' & 6109', testing Frontier, 6109-6176', (67' anchor) First Bench, IO 32 mins, ISI 60 mins, FO 121 mins, FSI 240 mins, opened with immediate blow, 2-inches water, continued throughout no gas, second opened with immediate blow, medium, continued throughout with no gas, recovered 190 feet mud, 8.5 ppg, Res .67, 914 ppm, sample chamber recovery 1500 cc mud trace oil, 300 psig, Res .67 at 68°, pit mud 8.7 ppg, Res 3.8, 618 ppm, IHHP 2838, IOFP's 53-93, ISIP 186, FOFP's 106-119, FSIP 438, FHHP 2825, BHT 76°F.

DST #2 on second sheet.

18. I hereby certify that the foregoing is true and correct

SIGNED A.J. Mases TITLE Drilling Superintendent DATE 11-26-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

***See Instructions on Reverse Side**

Celsius Energy Company
P. O. Box 458, Rock Springs, WY 82902

Lease No. U-53386
Celsius Federal Well No. 25-1
25-3N-24E, SLB&M
Daggett County, Utah
Permit No. 43-009-30059

DST #2: TD 6254', Packers 6191' and 6198', Testing Frontier, Drilling Break from 6226-6244' with gas show, IO 30 mins, ISI 60 mins, FO 123mins, FSI 301 mins, opened with weak blow (2.5 ounces), increased steadily to 17 ounces, NGTS, reopened with 4.5 ounces, GTS in 108 mins, had 9 MCF 2 minutes after gas to surface, 11 MCF in 15 minutes, recovered 538 feet mud, 8.5 ppg, Res 1.02, sample chamber recovery 1.11 cubic feet gas, 800 cc mud, 250 psig, pit mud 8.8 ppg, Res 2.0, IHHP 2891, IOFP's 146-159, ISIP 2177, FOFP's 134-252, FSIP 2494, FHHP 2886, BHT 131°F.

Form 3160-5
November 1983)
Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form Approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: U-53386

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: --

2. NAME OF OPERATOR: Celsius Energy Company

8. FARM OR LEASE NAME: Celsius Federal

3. ADDRESS OF OPERATOR: P. O. Box 458, Rock Springs, WY 82902

9. WELL NO.: 25-1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NW NE, 1091' FNL, 2365' FEL

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 25-3N-24E, SLB&M

14. PERMIT NO.: 43-009-30059

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GG 6991' KB 7006.95'

12. COUNTY OR PARISH: Daggett

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Supplemental History			XX
(Other)			☐	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Landed 4-1/2-inch O.D., 11.6-pound, N-80, 8 round thread, LT&C casing at 6728.21 feet KBM or 15.95 feet below KB in a NSCo. 11-inch 3000 psi casing flange with full indicator weight of 67,000 pounds on slips. Cemented casing with 450 sacks 50-50 Pozmix with 2% gel treated with 1/4-pound celloseal. Rotated string while pumping cement and 50 barrels of displacement. Plug was bumped to 2000 psi, which was 500 psi over last pumping pressure. Floats held okay.

18. I hereby certify that the foregoing is true and correct

SIGNED C. J. Mason TITLE Drilling Superintendent DATE 11-27-84

(This space for Federal or State office use)

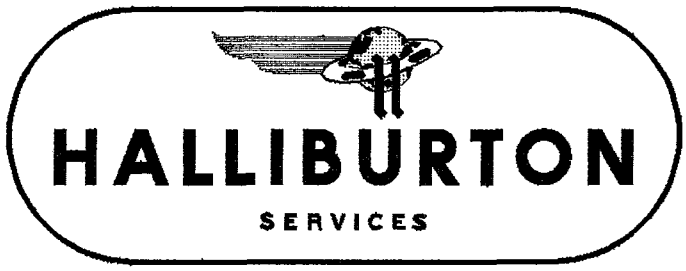
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

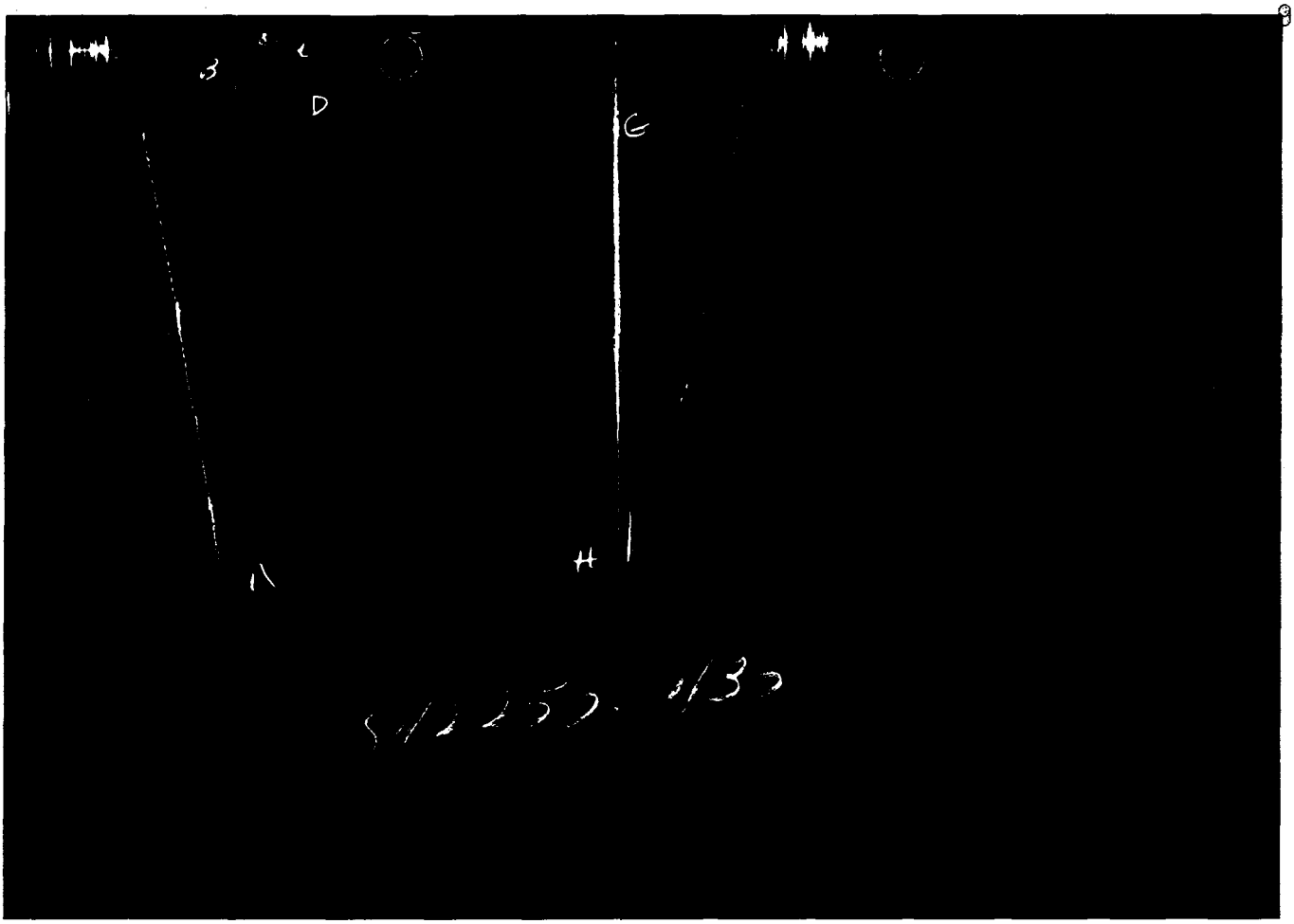
LEGAL LOCATION SEC. - TWP. - RNG.	FIELD AREA	COUNTY	STATE
25-3N-24E	EAST OF CLAY BASIN	DAGGETT	UTAH IC

LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME
CELSIUS FEDERAL	25-1	1	6109.' - 6176.'	CELSIUS ENERGY COMPANY



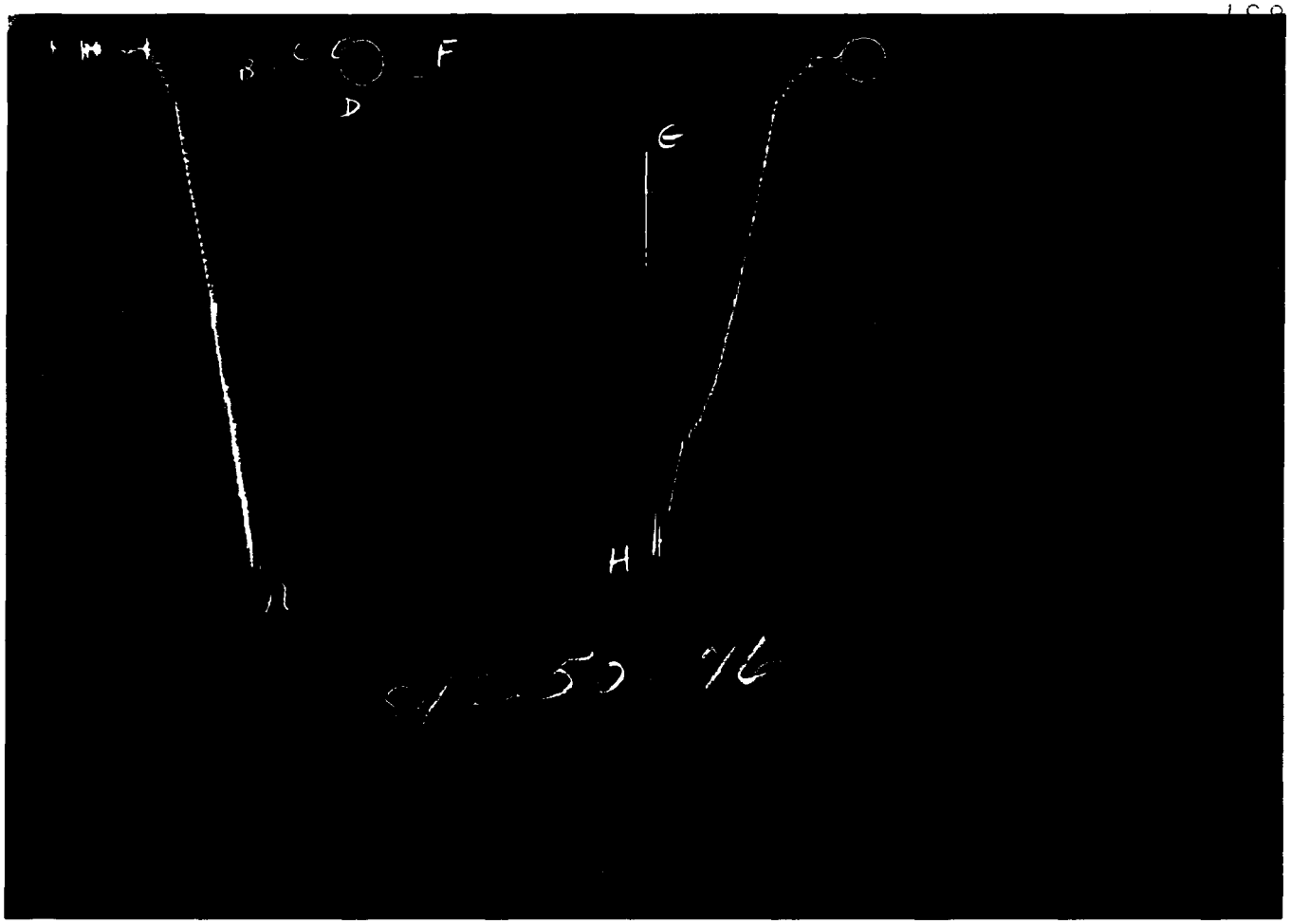
TICKET NO. 84225000
26-NOV-84
VERNAL

FORMATION TESTING SERVICE REPORT



GAUGE NO: 430 DEPTH: 6086.0 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2838	2842.7			
B	INITIAL FIRST FLOW	53	66.7	32.0	32.0	F
C	FINAL FIRST FLOW	93	84.4			
C	INITIAL FIRST CLOSED-IN	93	84.4	60.0	60.0	C
D	FINAL FIRST CLOSED-IN	186	176.6			
E	INITIAL SECOND FLOW	106	107.9	121.0	121.0	F
F	FINAL SECOND FLOW	119	109.5			
F	INITIAL SECOND CLOSED-IN	119	109.5	240.0	240.0	C
G	FINAL SECOND CLOSED-IN	438	457.6			
H	FINAL HYDROSTATIC	2825	2817.2			



GAUGE NO: 76 DEPTH: 6173.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2888	2894.8			
B	INITIAL FIRST FLOW	111	109.6	32.0	32.0	F
C	FINAL FIRST FLOW	139	136.7			
C	INITIAL FIRST CLOSED-IN	139	136.7	60.0	60.0	C
D	FINAL FIRST CLOSED-IN	223	228.1			
E	INITIAL SECOND FLOW	153	155.8	121.0	121.0	F
F	FINAL SECOND FLOW	153	158.6			
F	INITIAL SECOND CLOSED-IN	153	158.6	240.0	240.0	C
G	FINAL SECOND CLOSED-IN	488	499.7			
H	FINAL HYDROSTATIC	2874	2867.3			

EQUIPMENT & HOLE DATA

FORMATION TESTED: FRONTIER
NET PAY (ft): 24.0
GROSS TESTED FOOTAGE: 67.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 6991
TOTAL DEPTH (ft): 6176.0
PACKER DEPTH(S) (ft): 6101, 6109
FINAL SURFACE CHOKE (in): 0.125
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 8.60
MUD VISCOSITY (sec): 39
ESTIMATED HOLE TEMP. (°F):
ACTUAL HOLE TEMP. (°F): 76 @ 6172.0 ft

TICKET NUMBER: 84225000

DATE: 11-16-84 TEST NO: 1

TYPE DST: OPEN HOLE

HALLIBURTON CAMP: VERNAL

TESTER: EROS AROCHO, RIPPLE, AND MC MILLAN

WITNESS: HOWARD LEEPER

DRILLING CONTRACTOR: SHELBY DRILLING #11

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
MUD PIT	5.000 @ 68 °F	681 ppm
SAMPLE CHAMBER	3.800 @ 68 °F	924 ppm
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm
	@ °F	ppm

SAMPLER DATA

Psig AT SURFACE: 300
cu.ft. OF GAS: 0.67
cc OF OIL: 0
cc OF WATER: 0
cc OF MUD: 1500
TOTAL LIQUID cc: 1500

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): @ °F
GAS/OIL RATIO (cu.ft. per bbl):
GAS GRAVITY:

CUSHION DATA

TYPE	AMOUNT	WEIGHT

RECOVERED:

190 FEET OF MUD

MEASURED FROM TESTER VALVE

REMARKS:

MUD FROM SAMPLE CHAMBER WEIGHED 8.5 #/GALLON AND CONTAINED A SLIGHT TRACE OF OIL.

STAIR STEPPING WAS INDICATED ON B.T. #430.

TYPE & SIZE MEASURING DEVICE: LT-20 MANIFOLD | TICKET NO: 84225000

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
11-16-84					
0830					ON LOCATION
1125					WOUND CLOCKS & PICKED UP TOOLS
1230					STARTED IN HOLE
1507					TAGGED BOTTOM
1509					OPENED TOOL THROUGH 1/8"
					BUBBLE HOSE
1514	.125	1 OZ.			
1519		2 OZ.			NOTE: ALL PSI WAS REPORTED
					AS OUNCES!
1524		2			
1529		2			
1534		2			
1539		2			
1541		2			CLOSED TOOL
1641		2			OPENED TOOL
1651		6			
1701		7			
1711		7			
1721		7			
1731		7.5			
1741		8			
1751		8			
1801		8			REMAINED AT 8 OUNCES UNTIL
					TOOL WAS CLOSED
1842		8			CLOSED TOOL
2242					OPENED BYPASS AND TRIPPED OUT
11-17-84					
0220					DRAINED SAMPLE CHAMBER
0230					LAID DOWN TOOLS
0300					ENDED JOB

TICKET NO. 84225000

		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE.....	4.500	3.826	5596.0	
3	DRILL COLLARS.....	6.000	2.938	410.4	
50	IMPACT REVERSING SUB.....	5.750	2.500	0.9	5984.0
3	DRILL COLLARS.....	6.000	2.938	87.6	
5	CROSSOVER.....	5.750	2.750	0.7	
13	DUAL CIP SAMPLER.....	5.000	0.750	6.7	
60	HYDROSPRING TESTER.....	5.000	0.750	5.0	6084.0
80	AP RUNNING CASE.....	5.000	2.250	4.1	6086.0
15	JAR.....	5.000	1.750	5.0	
16	VR SAFETY JOINT.....	5.000	1.000	2.8	
70	OPEN HOLE PACKER.....	6.750	1.530	5.8	6101.0
18	DISTRIBUTOR VALVE.....	5.000	1.680	2.0	
70	OPEN HOLE PACKER.....	6.750	1.530	5.8	6109.0
5	CROSSOVER.....	5.750	2.563	0.8	
3	DRILL COLLARS.....	6.000	2.938	30.8	
5	CROSSOVER.....	5.500	2.625	0.8	
20	FLUSH JOINT ANCHOR.....	5.750	3.500	29.0	
81	BLANKED-OFF RUNNING CASE.....	5.750		4.1	6173.0
	TOTAL DEPTH				6176.0

EQUIPMENT DATA

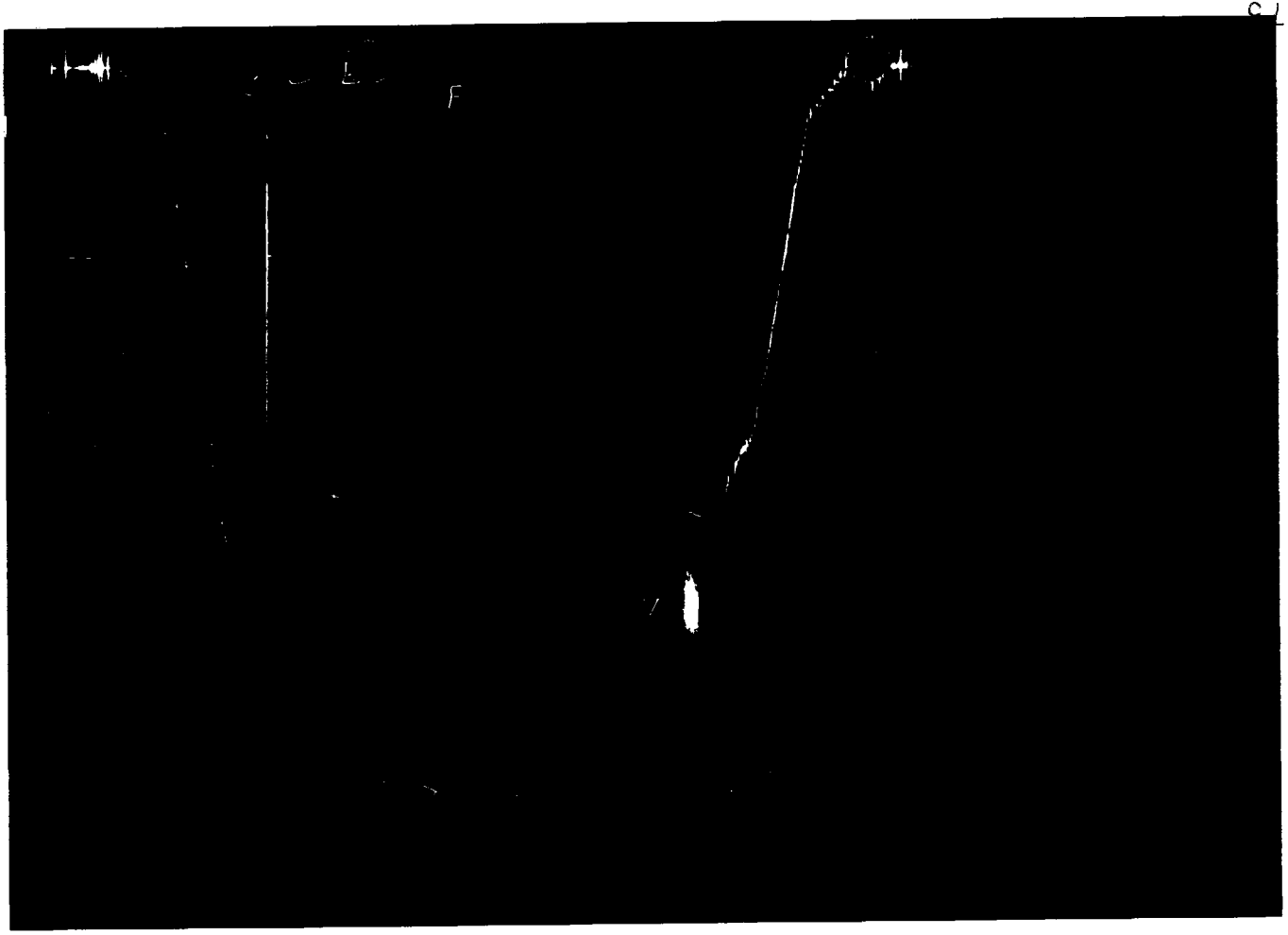
HALLIBURTON
SERVICES

TICKET NO. 84266300
26-NOV-84
VERNAL

FORMATION TESTING SERVICE REPORT

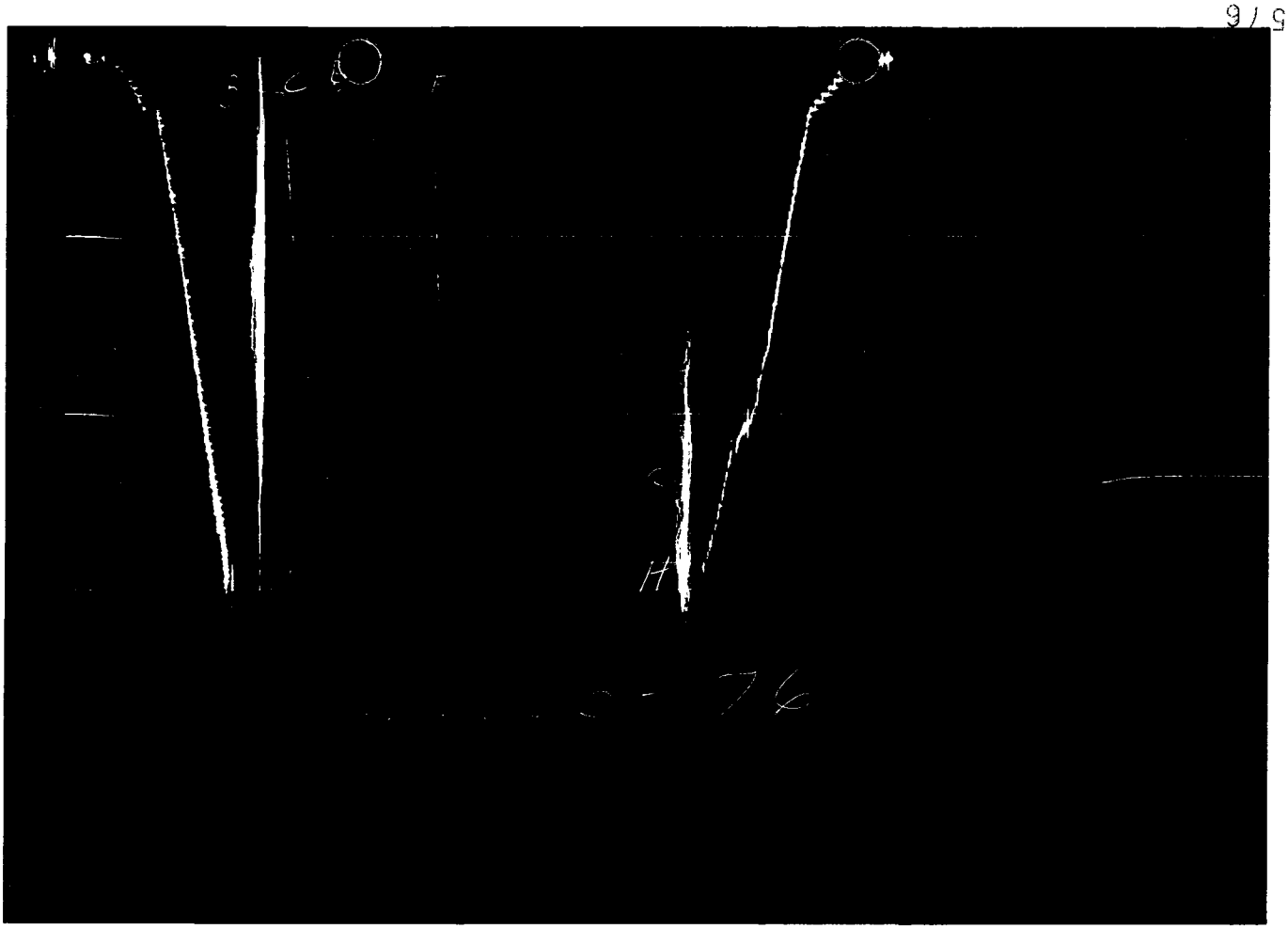
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME
CELSIUS FEDERAL	25-1	2	6198.' - 6254.'	CELSIUS ENERGY COMPANY

LEGAL LOCATION SEC. - TWP. - RNG.	FIELD AREA	COUNTY	STATE
25 3N 24E	EAST CLAY BASIN	DAGGETT	UTAH SM



GAUGE NO: 430 DEPTH: 6175.6 BLANKED OFF: NO HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2892	2904.6			
B	INITIAL FIRST FLOW	146	155.5	30.0	28.0	F
C	FINAL FIRST FLOW	160	157.5			
C	INITIAL FIRST CLOSED-IN	160	157.5	60.0	61.9	C
D	FINAL FIRST CLOSED-IN	2177	2178.2			
E	INITIAL SECOND FLOW	135	90.1	123.0	122.2	F
F	FINAL SECOND FLOW	253	259.1			
F	INITIAL SECOND CLOSED-IN	253	259.1	300.0	300.9	C
G	FINAL SECOND CLOSED-IN	2495	2482.5			
H	FINAL HYDROSTATIC	2887	2865.7			



GAUGE NO: 76 DEPTH: 6251.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2944	2941.4			
B	INITIAL FIRST FLOW	182	201.2	30.0	28.0	F
C	FINAL FIRST FLOW	196	195.5			
C	INITIAL FIRST CLOSED-IN	196	195.5	60.0	61.9	C
D	FINAL FIRST CLOSED-IN	2207	2202.7			
E	INITIAL SECOND FLOW	168	148.2	123.0	122.2	F
F	FINAL SECOND FLOW	279	288.3			
F	INITIAL SECOND CLOSED-IN	279	288.3	300.0	300.9	C
G	FINAL SECOND CLOSED-IN	2485	2503.0			
H	FINAL HYDROSTATIC	2944	2928.8			

EQUIPMENT & HOLE DATA

FORMATION TESTED: FRONTIER
NET PAY (ft): 22.0
GROSS TESTED FOOTAGE: 56.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 6991
TOTAL DEPTH (ft): 6254.0
PACKER DEPTH(S) (ft): 6191, 6198
FINAL SURFACE CHOKE (in): 0.063
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 8.80
MUD VISCOSITY (sec): 47
ESTIMATED HOLE TEMP. (°F):
ACTUAL HOLE TEMP. (°F): 132 @ 6249.0 ft

TICKET NUMBER: 84266300

DATE: 11-17-84 TEST NO: 2

TYPE DST: OPEN HOLE

HALLIBURTON CAMP: VERNAL

TESTER: ROY AROCHO
PHILLIP MC MILLAN

WITNESS: HOWARD LEEPER

DRILLING CONTRACTOR: SHELBY #11

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY		CHLORIDES
MUD PIT	2.000 @	68 °F	1818 ppm
SAMPLE CHAMBER	1.020 @	68 °F	3636 ppm
MIDDLE OF FLUID	2.100 @	68 °F	1712 ppm
	@	°F	ppm
	@	°F	ppm
	@	°F	ppm

SAMPLER DATA

Psig AT SURFACE: 250
cu.ft. OF GAS: 1.11
cc OF OIL: 0
cc OF WATER: 0
cc OF MUD: 800
TOTAL LIQUID cc: 800

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): @ °F
GAS/OIL RATIO (cu.ft. per bbl):
GAS GRAVITY:

CUSHION DATA

TYPE	AMOUNT	WEIGHT

RECOVERED:

538 FEET OF MUD - 8.5#/ GAL.
GAS TO THE SURFACE

MEASURED FROM TESTER VALVE

REMARKS:

STAIR STEPPING DURING THE INITIAL CLOSED IN PERIOD ON GAUGE # 430.

CHARTS INDICATE POSSIBLE DISTRIBUTOR VALVE OPENING DURING THE SECOND CLOSED IN PERIOD. DISTRIBUTOR VALVE WAS SET AT 2000 PSI.

COEFFICIENT FOR 4/64" CHOKE WAS FURNISHED BY THE COMPANY REPRESENTATIVE.

TYPE & SIZE MEASURING DEVICE: LT-20 MANIFOLD					TICKET NO: 84266300
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
11-17-84					
1530					ON LOCATION
1630					WOUND CLOCKS
					PICKED UP TOOLS
1745					STARTED IN HOLE
2035					RIGGED UP MANIFOLD
2046					TAGGED BOTTOM
2051	.125	2.5 OZ.	1.08		TOOL OPENED
2056		5.0 OZ.	1.40		
2101		10 OZ.	2.08		
2106		12 OZ.	2.38		
2111		13 OZ.	2.46		
2116		16 OZ.	2.65		
2121		17 OZ.	2.82		ROTATED TOOL CLOSED
2221	.0625	4.5 PSI	.5085		OPENED TOOL THRU 4/64" CHOKE
2231		8	.904		
2241		14	1.582		
2251		19	2.147		
2301		24	2.712		
2311		31	3.503		
2321		40	4.52		
2331		48	5.424		
2344		56	6.328		
2351		65	7.345		
11-18-84					
0001		74	8.362		
0009		80	9.04		GAS TO THE SURFACE
0011		84	9.492		
0021		95	10.735		ROTATED TOOL CLOSED
0024		97	10.961		TOOL CLOSED
0524					OPENED BYPASS
0536					STARTED OUT OF HOLE
0815					HIT FLUID TOP OF COLLARS
0930					PULLED GAUGES OUT
1000					OUT OF HOLE
					LOADED TRUCK
					JOB COMPLETED.

TYPE & SIZE MEASURING DEVICE: LT-20 MANIFOLD

TICKET NO: 84266300

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
					NOTE: GAS FLOW RATED PRIOR
					TO GAS TO SURFACE ARE INVALID.

TICKET NO: 84266300

CLOCK NO: 32046 HOUR: 24

HALLIBURTON SERVICES

GAUGE NO: 430

DEPTH: 6175.6

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log\frac{t+\Delta t}{\Delta t}$
		FIRST FLOW				
B	1	0.0	155.5			
	2	2.0	147.4	-8.2		
	3	4.0	145.8	-1.6		
	4	6.0	145.8	0.0		
	5	8.0	146.4	0.7		
	6	10.0	147.9	1.5		
	7	12.0	149.0	1.1		
	8	14.0	150.4	1.5		
	9	16.0	152.0	1.6		
	10	18.0	153.2	1.2		
	11	20.0	154.3	1.1		
	12	22.0	155.5	1.2		
	13	24.0	156.0	0.5		
	14	26.0	156.7	0.7		
C	15	28.0	157.5	0.8		
		FIRST CLOSED-IN				
C	1	0.0	157.5			
	2	1.0	232.8	75.3	1.0	1.446
	3	2.0	312.7	155.2	1.9	1.179
[1]	4	6.4	585.6	428.0	5.2	0.733
[1]	5	11.2	919.4	761.8	8.0	0.545
[1]	6	15.3	1165.4	1007.8	9.9	0.451
[1]	7	19.3	1359.3	1201.7	11.4	0.390
	8	20.0	1393.4	1235.8	11.7	0.380
	9	22.0	1481.7	1324.2	12.3	0.356
	10	24.0	1556.2	1398.7	12.9	0.336
	11	26.0	1624.4	1466.9	13.5	0.318
	12	28.0	1683.8	1526.3	14.0	0.301
	13	30.0	1741.7	1584.1	14.5	0.286
	14	35.0	1856.7	1699.1	15.6	0.255
	15	40.0	1940.4	1782.9	16.5	0.230
	16	45.0	2013.3	1855.8	17.3	0.210
	17	50.0	2072.5	1915.0	18.0	0.193
	18	55.0	2122.5	1965.0	18.6	0.179
D	19	61.9	2178.2	2020.7	19.3	0.162
		SECOND FLOW				
E	1	0.0	90.1			
	2	10.0	142.7	52.5		
	3	20.0	144.1	1.5		
	4	30.0	151.5	7.3		
	5	40.0	162.5	11.0		
	6	50.0	171.4	8.9		
	7	60.0	182.1	10.6		
	8	70.0	193.6	11.6		
	9	80.0	205.1	11.4		

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log\frac{t+\Delta t}{\Delta t}$
		SECOND FLOW - CONTINUED				
	10	90.0	216.9	11.8		
	11	100.0	229.3	12.4		
	12	110.0	242.6	13.3		
	13	120.0	255.9	13.3		
F	14	122.2	259.1	3.2		
		SECOND CLOSED-IN				
F	1	0.0	259.1			
	2	1.0	464.9	205.8	1.0	2.184
	3	2.0	658.5	399.4	2.0	1.886
	4	3.0	835.0	575.9	2.9	1.708
	5	4.0	974.8	715.8	3.9	1.590
	6	5.0	1111.8	852.8	4.8	1.496
	7	6.0	1265.4	1006.4	5.8	1.413
	8	7.0	1387.7	1128.6	6.7	1.354
	9	8.0	1500.3	1241.2	7.6	1.295
	10	9.0	1599.2	1340.2	8.5	1.249
	11	10.0	1679.5	1420.5	9.4	1.205
	12	12.0	1819.9	1560.9	11.1	1.131
	13	14.0	1920.3	1661.3	12.8	1.070
	14	16.0	2008.3	1749.3	14.5	1.016
	15	18.0	2064.7	1805.6	16.1	0.970
	16	20.0	2120.1	1861.1	17.7	0.929
	17	22.0	2156.8	1897.7	19.2	0.893
	18	24.0	2186.8	1927.8	20.7	0.861
	19	26.0	2217.0	1957.9	22.2	0.831
	20	28.0	2238.4	1979.4	23.6	0.804
	21	30.0	2259.6	2000.5	25.0	0.778
	22	35.0	2295.2	2036.1	28.4	0.724
	23	40.0	2322.6	2063.5	31.6	0.677
	24	45.0	2344.4	2085.3	34.6	0.637
	25	50.0	2360.6	2101.5	37.5	0.603
	26	55.0	2384.5	2125.4	40.2	0.572
	27	60.0	2389.0	2129.9	42.9	0.545
	28	70.0	2402.6	2143.6	47.7	0.498
	29	80.0	2414.0	2154.9	52.2	0.459
	30	90.0	2423.8	2164.7	56.3	0.426
	31	100.0	2431.1	2172.0	60.0	0.398
	32	110.0	2437.7	2178.6	63.5	0.374
	33	120.0	2443.1	2184.0	66.7	0.352
	34	135.0	2450.1	2191.1	71.1	0.325
	35	150.0	2455.7	2196.6	75.0	0.301
	36	165.0	2460.2	2201.1	78.6	0.281
	37	180.0	2464.7	2205.6	81.9	0.264
	38	195.0	2468.1	2209.1	84.8	0.248
	39	210.0	2470.8	2211.7	87.6	0.234
	40	225.0	2474.1	2215.0	90.1	0.222
	41	240.0	2476.1	2217.0	92.4	0.211
	42	260.0	2478.8	2219.8	95.2	0.198
	43	280.0	2481.2	2222.2	97.8	0.186
G	44	300.9	2482.5	2223.5	100.2	0.176

LEGEND:
[1] STAIR-STEP

REMARKS:

TICKET NO: 84266300

CLOCK NO: 2786 HOUR: 24

HALLIBURTON SERVICES

GAUGE NO: 76

DEPTH: 6251.0

FIRST FLOW

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log\frac{t+\Delta t}{\Delta t}$
B	1	0.0	201.2			
	2	2.0	196.9	-4.3		
	3	4.0	191.1	-5.8		
	4	6.0	189.4	-1.7		
	5	8.0	188.7	-0.7		
	6	10.0	188.7	0.0		
	7	12.0	189.1	0.4		
	8	14.0	190.4	1.3		
	9	16.0	190.7	0.3		
	10	18.0	191.9	1.3		
	11	20.0	192.9	1.0		
	12	22.0	193.6	0.7		
	13	24.0	194.3	0.7		
	14	26.0	195.0	0.7		
C	15	28.0	195.5	0.5		

FIRST CLOSED-IN

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log\frac{t+\Delta t}{\Delta t}$
C	1	0.0	195.5			
	2	1.0	244.8	49.3	1.0	1.454
	3	2.0	320.8	125.3	1.8	1.186
	4	3.0	381.7	186.2	2.7	1.014
	5	4.0	460.1	264.6	3.5	0.901
	6	5.0	519.7	324.2	4.3	0.816
	7	6.0	597.2	401.7	4.9	0.753
	8	7.0	658.9	463.4	5.6	0.698
	9	8.0	737.7	542.2	6.2	0.653
	10	9.0	803.7	608.2	6.8	0.613
	11	10.0	873.4	677.9	7.4	0.579
	12	12.0	999.6	804.1	8.4	0.523
	13	14.0	1107.0	911.5	9.4	0.476
	14	16.0	1212.3	1016.8	10.2	0.440
	15	18.0	1323.3	1127.8	11.0	0.407
	16	20.0	1411.9	1216.4	11.7	0.380
	17	22.0	1484.5	1289.0	12.3	0.357
	18	24.0	1572.0	1376.5	12.9	0.336
	19	26.0	1628.5	1433.0	13.5	0.318
	20	28.0	1696.0	1500.5	14.0	0.301
	21	30.0	1747.4	1551.9	14.5	0.286
	22	35.0	1865.8	1670.3	15.6	0.255
	23	40.0	1963.8	1768.3	16.5	0.230
	24	45.0	2028.7	1833.2	17.3	0.210
	25	50.0	2090.1	1894.6	18.0	0.193
	26	55.0	2141.0	1945.5	18.6	0.179
D	27	61.9	2202.7	2007.2	19.3	0.162

SECOND FLOW

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log\frac{t+\Delta t}{\Delta t}$
E	1	0.0	148.2			
	2	10.0	176.7	28.5		

SECOND FLOW - CONTINUED

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log\frac{t+\Delta t}{\Delta t}$
	3	20.0	179.6	2.9		
	4	30.0	185.7	6.1		
	5	40.0	195.1	9.4		
	6	50.0	203.2	8.1		
	7	60.0	213.7	10.5		
	8	70.0	224.0	10.3		
	9	80.0	234.7	10.6		
	10	90.0	245.4	10.8		
	11	100.0	257.2	11.7		
	12	110.0	271.5	14.4		
	13	120.0	285.8	14.3		
F	14	122.2	288.3	2.5		

SECOND CLOSED-IN

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log\frac{t+\Delta t}{\Delta t}$
F	1	0.0	288.3			
	2	1.0	458.5	170.2	1.0	2.184
	3	2.0	630.7	342.4	2.0	1.885
	4	3.0	816.6	528.3	3.0	1.704
	5	4.0	948.6	660.3	3.9	1.587
	6	5.0	1092.4	804.1	4.9	1.491
	7	6.0	1221.4	933.1	5.8	1.415
	8	7.0	1335.3	1047.0	6.7	1.350
	9	8.0	1438.3	1150.0	7.6	1.297
	10	9.0	1543.0	1254.7	8.5	1.247
	11	10.0	1619.7	1331.4	9.4	1.204
	12	12.0	1772.0	1483.7	11.1	1.132
	13	14.0	1890.2	1601.8	12.8	1.069
	14	16.0	1988.5	1700.2	14.5	1.016
	15	18.0	2049.4	1761.1	16.1	0.970
	16	20.0	2108.7	1820.4	17.6	0.930
	17	22.0	2146.1	1857.8	19.2	0.894
	18	24.0	2178.6	1890.3	20.7	0.861
	19	26.0	2211.4	1923.1	22.2	0.831
	20	28.0	2236.4	1948.1	23.6	0.804
	21	30.0	2258.7	1970.4	25.0	0.779
	22	35.0	2305.6	2017.3	28.4	0.724
	23	40.0	2335.1	2046.8	31.6	0.677
	24	45.0	2358.7	2070.4	34.6	0.637
	25	50.0	2376.1	2087.8	37.5	0.603
	26	55.0	2401.9	2113.6	40.3	0.572
	27	60.0	2407.1	2118.8	42.9	0.544
	28	70.0	2420.7	2132.4	47.8	0.498
	29	80.0	2433.5	2145.2	52.2	0.459
	30	90.0	2442.8	2154.5	56.3	0.426
	31	100.0	2450.4	2162.1	60.0	0.398
	32	110.0	2457.3	2168.9	63.5	0.374
	33	120.0	2463.0	2174.6	66.7	0.352
	34	135.0	2469.2	2180.9	71.1	0.325
	35	150.0	2474.8	2186.4	75.1	0.301
	36	165.0	2477.4	2189.1	78.6	0.281
	37	180.0	2480.5	2192.1	81.9	0.263
	38	195.0	2483.8	2195.5	84.8	0.248

REMARKS:

TICKET NO: 84266300

CLOCK NO: 2786 HOUR: 24

HALLIBURTON SERVICES

GAUGE NO: 76

DEPTH: 6251.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
	SECOND CLOSED-IN - CONTINUED				
39	210.0	2486.6	2198.3	87.6	0.234
40	225.0	2491.6	2203.3	90.1	0.222
41	240.0	2493.8	2205.5	92.4	0.211
42	260.0	2497.0	2208.7	95.2	0.198
43	280.0	2500.2	2211.9	97.8	0.187
G 44	300.9	2503.0	2214.7	100.2	0.176

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$

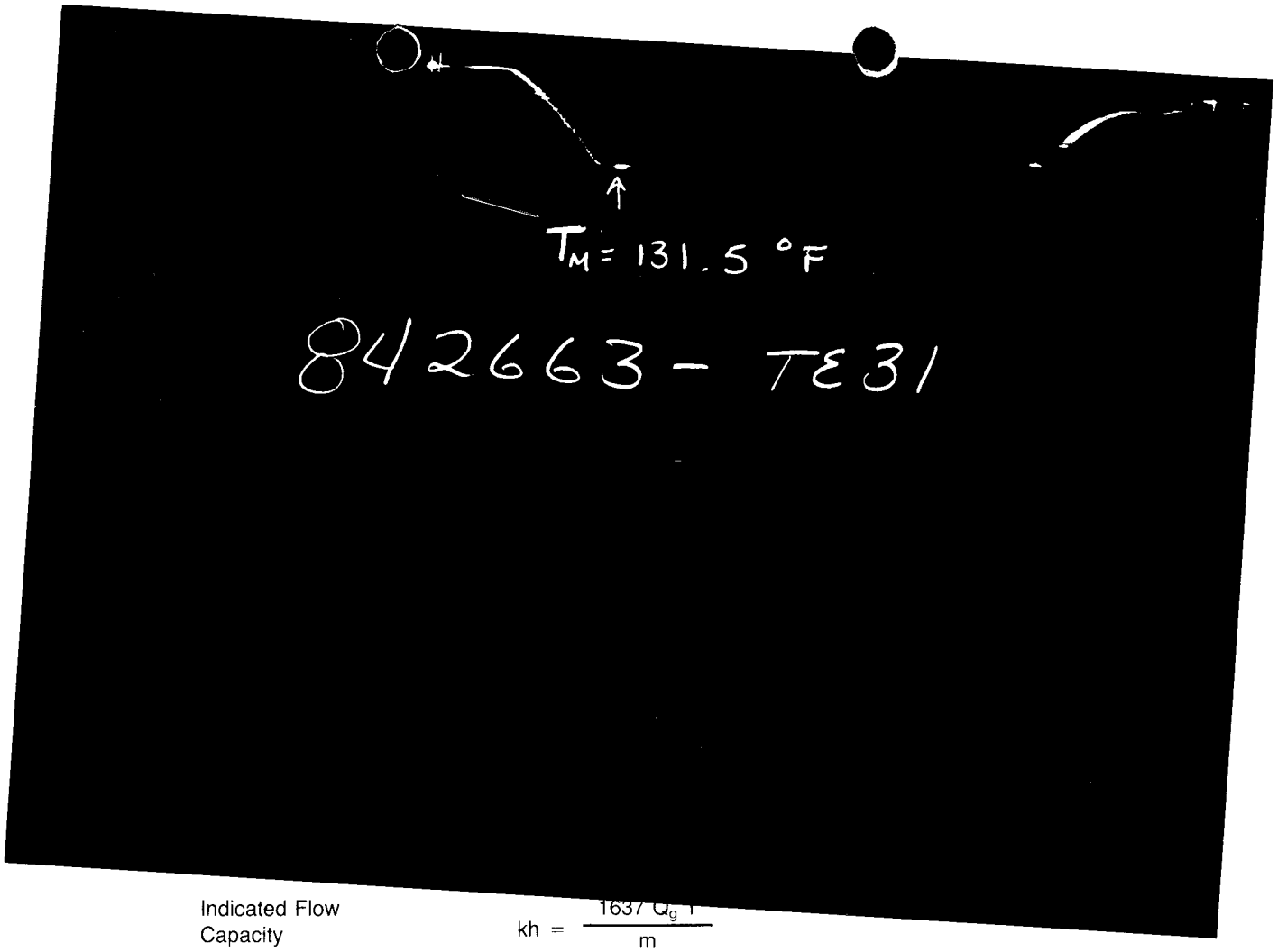
REMARKS:

TICKET NO. 84266300

		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE.....	4.500	3.826	5632.6	
3	DRILL COLLARS.....	6.000	2.938	437.7	
50	IMPACT REVERSING SUB.....	5.750	2.500	0.9	6071.6
3	DRILL COLLARS.....	6.000	2.938	89.2	
5	CROSSOVER.....	5.500	2.625	0.8	
12	DUAL CIP VALVE.....	5.000	0.870	7.0	
60	HYDROSPRING TESTER.....	5.000	0.750	5.0	6173.5
80	AP RUNNING CASE.....	5.000	2.250	4.1	6175.6
15	JAR.....	5.000	1.750	5.0	
16	VR SAFETY JOINT.....	5.000	1.000	2.8	
70	OPEN HOLE PACKER.....	6.750	1.530	5.8	6191.0
18	DISTRIBUTOR VALVE.....	5.000	1.680	2.0	
70	OPEN HOLE PACKER.....	6.750	1.530	5.8	6198.0
20	FLUSH JOINT ANCHOR.....	5.750	3.500	46.0	
82	TEMPERATURE RUNNING CASE.....	5.750	3.250	3.8	6249.0
81	BLANKED-OFF RUNNING CASE.....	5.750		4.1	6251.0

TOTAL DEPTH 6254.0

EQUIPMENT DATA



Indicated Flow Capacity	$kh = \frac{1637\ Q_g\ T}{m}$	
Average Effective Permeability	$k = \frac{kh}{h}$	md
Skin Factor	$S = 1.151 \left[\frac{m(P^*) - m(P_f)}{m} - \text{LOG} \frac{k(t/60)}{\phi\ \mu\ c_t r_w^2} + 3.23 \right]$	—
Damage Ratio	$DR = \frac{m(P^*) - m(P_f)}{m(P^*) - m(P_f) - 0.87\ mS}$	—
Indicated Flow Rate (Maximum)	$AOF_1 = \frac{Q_g\ m(P^*)}{m(P^*) - m(P_f)}$	MCFD
Indicated Flow Rate (Minimum)	$AOF_2 = Q_g \sqrt{\frac{m(P^*)}{m(P^*) - m(P_f)}}$	MCFD
Approx. Radius of Investigation	$r_i = 0.032 \sqrt{\frac{k(t/60)}{\phi \mu c_t}}$	ft

EQUATIONS FOR DST LIQUID WELL ANALYSIS

Transmissibility	$\frac{kh}{\mu} = \frac{162.6\ QB}{m}$	$\frac{\text{md-ft}}{\text{cp}}$
Indicated Flow Capacity	$kh = \frac{kh}{\mu}\ \mu$	md-ft
Average Effective Permeability	$k = \frac{kh}{h}$	md
Damage Ratio	$DR = .183\ \frac{P^* - P_f}{m}$	—
Theoretical Potential w / Damage Removed	$Q_1 = Q\ DR$	BPD
Approx. Radius of Investigation	$r_i = 4.63\ \sqrt{kt}$	ft

EQUATIONS FOR DST GAS WELL ANALYSIS

Indicated Flow Capacity	$kh = \frac{1637\ Q_g\ T}{m}$	md-ft
Average Effective Permeability	$k = \frac{kh}{h}$	md
Skin Factor	$S = 1.151\left[\frac{m(P^*) - m(P_f)}{m} - \text{LOG}\ \frac{k(t/60)}{\phi\ \mu\ c_t r_w^2} + 3.23\right]$	—
Damage Ratio	$DR = \frac{m(P^*) - m(P_f)}{m(P^*) - m(P_f) - 0.87\ mS}$	—
Indicated Flow Rate (Maximum)	$AOF_1 = \frac{Q_g\ m(P^*)}{m(P^*) - m(P_f)}$	MCFD
Indicated Flow Rate (Minimum)	$AOF_2 = Q_g \sqrt{\frac{m(P^*)}{m(P^*) - m(P_f)}}$	MCFD
Approx. Radius of Investigation	$r_i = 0.032 \sqrt{\frac{k(t/60)}{\phi \mu c_t}}$	ft

Form 3160-5
November 1983)
Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

5. LEASE DESIGNATION AND SERIAL NO.: U-53386

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --

7. UNIT AGREEMENT NAME: --

2. NAME OF OPERATOR: Celsius Energy Company

8. FARM OR LEASE NAME: Celsius Federal

3. ADDRESS OF OPERATOR: P. O. Box 458, Rock Springs, WY 82902

9. WELL NO.: 25-1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NW NE, 1091' FNL, 2365' FEL

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 25-3N-24E, SLB&M

14. PERMIT NO.: 43-009-30059

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6991' as graded KB 7006.95'

12. COUNTY OR PARISH: Daggett

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Supplemental History			☒
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

In the process of completing well.

RECEIVED
DEC 13 1984
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED A. J. Maser TITLE Drilling Superintendent DATE 12-10-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED
JAN 07 1985
DIVISION OF OIL, GAS & MINING

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, WY 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: NW NE, 1091' FNL, 2365' FEL
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.: U-53386
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --
7. UNIT AGREEMENT NAME: --
8. FARM OR LEASE NAME: Celsius Federal
9. WELL NO.: 25-1
10. FIELD AND POOL, OR WILDCAT: ~~Wildcat~~ Undesignated
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: 25-3N-24E, SLB&M

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-009-30059	10-23-84	Daggett	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
11-7-84	11-20-84	12-7-84	GR 6991' KB 7006.95'	6991'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6730'	6597'	--	→	0-6730'	--

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
6166-6274' - Frontier

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL, BHC, CNL/FDC

27. WAS WELL CORED: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8	36	329'	12-1/4	180 sx G w/3% CaCl	--
4-1/2	11.6	6728'	7-7/8	450 sx 50-50 Pozmix w/2% gel	--

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1.90	6090'	--

31. PERFORATION RECORD (Interval, size and number)
6166-6186' - 2 holes per foot
6258-6274' - 2 holes per foot

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6166-6274'	480 bbls gelled wtr, 18,500,000 cubic feet nitrogen, 140,000 pounds 20-40 mesh sand

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
12-7-84	Flowing	Shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-2-84	12	3/4	→	--	33	--	--

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
26	26	→	--	37	--	--

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented

TEST WITNESSED BY: Howard Leeper

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Thomas M Lacy TITLE Director, Petroleum Eng. DATE 1-3-85

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Frontier	6103'	6176'	DST #1: TD 6176', Pkrs 6103' & 6109', IO 32 mins, ISI 60 mins, FO 121 mins, FSI 240 mins, opened with immediate blow, 2" wtr, continued throughout no gas, 2nd open with immediate blow, medium, continued throughout with no gas, recovered 190' mud, 8.5 ppg, Res .67, 914 ppm, sample chamber rec 1500 cc mud trace oil, 300 psig, Res .67 @ 68°F, pit mud 8.7 ppg, Res 3.8, 618 ppm, IHHP 2838, IOFP's 53-93, ISIP 186, FOFP's 106-119, FSIP 438, FHHP 2825, BHT 76°F.
Frontier	6191'	6254'	DST #2: TD 6254', Pkrs 6191' & 6198', IO 30 mins, ISI 60 mins, FO 123 mins, FSI 301 mins, opened with weak blow, increased steadily to 17 oz, NGTS, reopened with 4.5 oz, GTS in 108 mins, had 9 MCF 2 mins after gas to surface, 11 MCF in 15 mins, recovered 538 feet mud, 8.5 ppg, Res 1.02, sample chamber recovery 1.11 cubic feet gas, 800 cc mud, 250 psig, pit mud 8.8 ppg, Res 2.0 IHHP 2891, IOFP's 146-159, ISIP 2177, FOFP's 134-252, FSIP 2494, FHHP 2886, BHT 131°F.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Mesaverde	Surface	
Mancos	198	
Frontier	6,122	
Mowry	6,354	
Dakota	6,507	
Morrison	6,616	

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals)

RECEIVED
OCT 07 1985
DIVISION OF OIL
GAS & MINING

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: Wexpro Company

3. ADDRESS OF OPERATOR: P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: NW NE, 1091' FNL, 2365' FEL

5. LEASE DESIGNATION AND SERIAL NO.: U-53386

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ---

7. UNIT AGREEMENT NAME: ---

8. FARM OR LEASE NAME: Celsius Federal

9. WELL NO.: 25-1

10. FIELD AND POOL, OR WILDCAT: WildCat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 25-3N-24E SLB&M

14. PERMIT NO.: 43-009-30059

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6991', KB 7006.95'

12. COUNTY OR PARISH: Daggett

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF		PULL OR ALTER CASING		WATER SHUT-OFF		REPAIRING WELL	
FRACTURE TREAT		MULTIPLE COMPLETE		FRACTURE TREATMENT	X	ALTERING CASING	
SHOOT OR ACIDIZE		ABANDON*	X	SHOOTING OR ACIDIZING	X	ABANDONMENT*	
REPAIR WELL		CHANGE PLANS		(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Due to the uneconomical nature of the subject well we intend to plug the well by setting a cast iron bridge plug at 6150' KBM (perforations from 6258-6274' and 6166-6186') and dumping 6 sacks of cement on top. Then we would salvage 5200' of 4-1/2-inch casing. Place a 225 cement plug from 100' inside the casing stub to 125' above. Place another 100' plug from 2700' to 2800' and a plug across the 9-5/8-inch casing shoe from 410' to 230'. A final 30' plug at surface will be set. A regulation dry hole marker will be installed and the location reclaimed.

Verbal approval granted 10/3/85 by Allen McKee.

Federal approval of this action is required before commencing operations.

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 10/8/85
BY: John R. Baza

18. I hereby certify that the foregoing is true and correct

SIGNED Thomas Adm TITLE Director Pet. Eng. DATE 10-3-85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
NOV 25 1985
DIVISION OF OIL GAS & MINING

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: Celsius Energy Company

3. ADDRESS OF OPERATOR: P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: SW NE 1834' FNL, 1481' FEL

5. LEASE DESIGNATION AND SERIAL NO.: U-53386

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ----

7. UNIT AGREEMENT NAME: ----

8. FARM OR LEASE NAME: Celsius Federal

9. WELL NO.: 25-1

10. FIELD AND POOL, OR WILDCAT: Wild cat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 25-3N-24E

14. PERMIT NO.: 43-009-30059

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6991 GR

12. COUNTY OR PARISH: Daggett

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	X	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	X
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above captioned well was drilled and completed in July, 1984. Further investigation indicated the well does not have commercial quantities of hydrocarbons.

Upon receiving approval to plug and abandon the subject well, operations commenced on November 13, 1985. The 4-1/2" casing was cut off at 5261' and pulled after setting a cast iron bridge plug at 6150'. Six xacks of cement was placed atop bridge plug. Cement plugs were placed as follows:

1. 75 sacks from 5340 to 5240.
2. 50 sacks from 2800' to 2700'.
3. 70 sacks from 410' to 230'.
4. 23 sacks from 60' to surface.

Hole was loaded with 9 ppg mud.

A dry hole marker was installed and reclamation of the location will be done when weather permits.

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Dir. Pet. Eng. DATE 11-21-85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 11/26/85
BY: [signature]

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER Plugged and Abandoned

2. NAME OF OPERATOR
Celsius Energy Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82902

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
SW NE, 1834' FNL, 1481' FEL

5. LEASE DESIGNATION AND SERIAL NO.
U-53386 PA

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
10051
--

7. UNIT AGREEMENT NAME
--

8. FARM OR LEASE NAME
Celsius Federal

9. WELL NO.
25-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
25-3N-24E

14. PERMIT NO.
43-009-30059

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6991' GR

12. COUNTY OR PARISH
Daggett

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Reclamation			X
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above captioned well location has been recontoured and reseeded. No further work will be done on this location.

OCT 2 1987

18. I hereby certify that the foregoing is true and correct

SIGNED Lee Martin TITLE Drilling Superintendent DATE 9-30-87

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.